

What is claimed is:

1 1. A dual-motor drum-type washing machine comprising:
2 a washing motor;
3 a washing pulley connected to the washing motor by a belt, the washing pulley
4 having a first shaft wherein a sun gear is formed at a front end of the first shaft;
5 a plurality of planetary gears engaging with the sun gear;
6 a first drum connected to a second shaft extending from a center of a rotational plate
7 ganging shafts of the planetary gears;
8 a dewatering motor;
9 a dewatering pulley connected to the dewatering motor by a belt, the dewatering
10 pulley having a first connecting part penetrated by the first shaft;
11 a cylindrical inner gear case coupled to a front end of the first connecting part, to
12 house the sun and planetary gears, the cylindrical inner gear case having teeth formed on an
13 inner circumferential surface;
14 a second connecting part extending from a central portion of the inner gear case to be
15 penetrated by the second shaft; and
16 a second drum coupled to a front end of the second connecting part.

1 2. The dual-motor drum-type washing machine as claimed in claim 1, wherein
2 the first drum is installed within the second drum.

1 3. The dual-motor drum-type washing machine as claimed in one of claims 1
2 and 2, wherein the washing motor is an induction motor enabling forward and reverse rotation.

- 1 4. The dual-motor drum-type washing machine as claimed in one of claims 1
2 and 2, wherein the dewatering motor is an induction motor enabling unidirectional rotation.